Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/21/2019 10:34 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	122934	-2	1.84	123025	1.79
Blue	F	SSC	125000	123367	-2	1.44	124167	1.42
Blue	E	FITC	16122	15504	-4	2.71	338	19.95
Blue	D	PE	29316	28726	-3	1.94	625	15.11
Blue	B	PerCP-Cy5-5	42590	42052	-2	3.65	1136	20.42
Blue	A	PE-Cy7	33146	32930	-1	5.90	625	40.66
Red	C	APC	45473	45070	-1	2.51	1597	12.01
Red	A	APC-Cy7	31961	30846	-4	2.49	815	11.56
Violet	B	V450	7914	7591	-5	4.44	452	12.96
Violet	A	V500	29769	29166	-3	4.15	685	10.63

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20798	3.63	606	6	N/A	N/A	Pass
Blue	F	SSC	56176	1.08	551	13	N/A	N/A	Pass
Blue	E	FITC	62	65.09	539	2	0.0208	186	Pass
Blue	D	PE	130	49.99	542	5	0.1465	236	Pass
Blue	B	PerCP-Cy5-5	209	49.42	644	6	0.0089	41	Pass
Blue	A	PE-Cy7	112	102.18	697	6	0.0110	13	Pass
Red	C	APC	380	25.26	585	6	0.0251	177	Pass
Red	A	APC-Cy7	179	28.66	560	4	0.0063	1460	Pass
Violet	B	V450	79	50.63	467	7	0.0477	1955	Pass
Violet	A	V500	105	32.64	479	7	0.0217	675	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/21/2019 10:34 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.36	-31.71	0.96
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.52
Red	16.18	13.60 - 20.40	N/A	N/A	28.95	29.72	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9540

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments